

Stiven Forti

List of Publications by Year in descending order

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55
papers

2,395
citations

236925

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206112

48
g-index

57
all docs

57
docs citations

57
times ranked

3399
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
2	Evidence for superconductivity in Li-decorated monolayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11795-11799.	7.1	269
3	Ambipolar doping in quasifree epitaxial graphene on SiC(0001) controlled by Ge intercalation. Physical Review B, 2011, 84, .	3.2	164
4	Adatoms and Clusters of $3d$ Transition Metals on Graphene: Electronic and Magnetic Configurations. Physical Review Letters, 2013, 110, 136804.	7.8	159
5	Revealing the atomic structure of the buffer layer between SiC(0001) and epitaxial graphene. Carbon, 2013, 51, 249-254.	10.3	135
6	Large-area homogeneous quasifree standing epitaxial graphene on SiC(0001): Electronic and structural characterization. Physical Review B, 2011, 84, .	3.2	103
7	Revealing the electronic band structure of trilayer graphene on SiC: An angle-resolved photoemission study. Physical Review B, 2013, 88, .	3.2	73
8	Direct evidence for efficient ultrafast charge separation in epitaxial WS_2 /graphene heterostructures. Science Advances, 2020, 6, eaay0761.	10.3	64
9	Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene. Small, 2019, 15, e1904906.	10.0	61
10	Synthesis of Large-Scale Monolayer $1T'-MoTe_2$ and Its Stabilization <i>via</i> Scalable hBN Encapsulation. ACS Nano, 2021, 15, 4213-4225.	14.6	61
11	30° -Twisted Bilayer Graphene Quasicrystals from Chemical Vapor Deposition. Nano Letters, 2020, 20, 3313-3319.	9.1	60
12	Superlubricity of epitaxial monolayer WS_2 on graphene. Nano Research, 2018, 11, 5946-5956.	10.4	58
13	Introducing strong correlation effects into graphene by gadolinium intercalation. Physical Review B, 2019, 100, .	3.2	55
14	Semiconductor to metal transition in two-dimensional gold and its van der Waals heterostack with graphene. Nature Communications, 2020, 11, 2236.	12.8	52
15	Epitaxial graphene on SiC: from carrier density engineering to quasi-free standing graphene by atomic intercalation. Journal Physics D: Applied Physics, 2014, 47, 094013.	2.8	50
16	Ultrafast, Zero-Bias, Graphene Photodetectors with Polymeric Gate Dielectric on Passive Photonic Waveguides. ACS Nano, 2020, 14, 11190-11204.	14.6	48
17	Engineering the electronic structure of epitaxial graphene by transfer doping and atomic intercalation. MRS Bulletin, 2012, 37, 1177-1186.	3.5	44
18	Influence of the degree of decoupling of graphene on the properties of transition metal adatoms. Physical Review B, 2013, 87, .	3.2	41

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19	Survival of Floquet Bloch States in the Presence of Scattering. Nano Letters, 2021, 21, 5028-5035.	9.1	41
20	Electronic properties of single-layer tungsten disulfide on epitaxial graphene on silicon carbide. Nanoscale, 2017, 9, 16412-16419.	5.6	39
21	Bipolar gating of epitaxial graphene by intercalation of Ge. Applied Physics Letters, 2014, 104, .	3.3	31
22	Mini-Dirac cones in the band structure of a copper intercalated epitaxial graphene superlattice. 2D Materials, 2016, 3, 035003.	4.4	30
23	Patterned tungsten disulfide/graphene heterostructures for efficient multifunctional optoelectronic devices. Nanoscale, 2018, 10, 4332-4338.	5.6	28
24	Epitaxial Growth of Wafer-Scale Molybdenum Disulfide/Graphene Heterostructures by Metal Organic Vapor-Phase Epitaxy and Their Application in Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 44335-44344.	8.0	28
25	Orbital selective coupling between Ni adatoms and graphene Dirac electrons. Physical Review B, 2012, 85, .	3.2	27
26	Local transport measurements on epitaxial graphene. Applied Physics Letters, 2013, 103, .	3.3	23
27	Intercalation of graphene on SiC(0001) via ion implantation. Physical Review B, 2016, 94, .	3.2	23
28	Ballistic bipolar junctions in chemically gated graphene ribbons. Scientific Reports, 2015, 5, 9955.	3.3	22
29	Edge Defects Promoted Oxidation of Monolayer WS ₂ Synthesized on Epitaxial Graphene. Journal of Physical Chemistry C, 2020, 124, 9035-9044.	3.1	22
30	Synthesis of large-area rhombohedral few-layer graphene by chemical vapor deposition on copper. Carbon, 2021, 177, 282-290.	10.3	22
31	Ultra-clean high-mobility graphene on technologically relevant substrates. Nanoscale, 2022, 14, 2167-2176.	5.6	22
32	Controlled Polymorphism in Titanyl Phthalocyanine on Mica by Hyperthermal Beams: A Micro-Raman Analysis. Journal of Physical Chemistry C, 2010, 114, 7038-7044.	3.1	21
33	Local Optical Properties in CVD-Grown Monolayer WS ₂ Flakes. Journal of Physical Chemistry C, 2021, 125, 16059-16065.	3.1	21
34	Deterministic direct growth of WS ₂ on CVD graphene arrays. 2D Materials, 2020, 7, 014002.	4.4	17
35	Ultrafast hot carrier transfer in WS ₂ /graphene large area heterostructures. Npj 2D Materials and Applications, 2022, 6, .	7.9	17
36	STM study of exfoliated few layer black phosphorus annealed in ultrahigh vacuum. 2D Materials, 2019, 6, 015005.	4.4	14

#	ARTICLE	IF	CITATIONS
37	Manipulation of plasmon electron-hole coupling in quasi-free-standing epitaxial graphene layers. <i>New Journal of Physics</i> , 2012, 14, 103045.	2.9	13
38	Microscopic Understanding of Ultrafast Charge Transfer in van der Waals Heterostructures. <i>Physical Review Letters</i> , 2021, 127, 276401.	7.8	13
39	Case studies of electrical characterisation of graphene by terahertz time-domain spectroscopy. <i>2D Materials</i> , 0, , .	4.4	11
40	Alkali doping of graphene: The crucial role of high-temperature annealing. <i>Physical Review B</i> , 2016, 94, .	3.2	10
41	Optical dielectric function of two-dimensional WS ₂ on epitaxial graphene. <i>2D Materials</i> , 2020, 7, 025024.	4.4	10
42	Local tuning of WS ₂ photoluminescence using polymeric micro-actuators in a monolithic van der Waals heterostructure. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	9
43	Ultrafast Charge Separation in Bilayer WS ₂ /Graphene Heterostructure Revealed by Time- and Angle-Resolved Photoemission Spectroscopy. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	9
44	Thermal stability of monolayer WS ₂ in BEOL conditions. <i>JPhys Materials</i> , 2021, 4, 024002.	4.2	7
45	Black Phosphorus n-Type Doping by Cu: A Microscopic Surface Investigation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13477-13484.	3.1	7
46	Weak localization measurements of electronic scattering rates in Li-doped epitaxial graphene. <i>Physical Review B</i> , 2019, 100, .	3.2	4
47	Scanning Probe Spectroscopy of WS ₂ /Graphene Van Der Waals Heterostructures. <i>Nanomaterials</i> , 2020, 10, 2494.	4.1	4
48	Hydrogen-Intercalated Graphene on SiC as Platform for Hybrid Superconductor Devices. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000082.	3.9	4
49	Stacking Relations and Substrate Interaction of Graphene on Copper Foil. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002025.	3.7	4
50	Revealing the electronic band structure of quasi-free trilayer graphene on SiC(0001). <i>Materials Research Society Symposia Proceedings</i> , 2014, 1693, 159.	0.1	3
51	Stress-strain in electron-beam activated polymeric micro-actuators. <i>Journal of Applied Physics</i> , 2020, 128, 115104.	2.5	3
52	Temperature-Dependent Bending Rigidity of AB -Stacked Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 266102.	7.8	3
53	Fab-Compatible Graphene: Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene (Small 50/2019). <i>Small</i> , 2019, 15, 1970273.	10.0	2
54	Back Cover: Hydrogen-Intercalated Graphene on SiC as Platform for Hybrid Superconductor Devices (Adv. Quantum Technol. 12/2020). <i>Advanced Quantum Technologies</i> , 2020, 3, 2070123.	3.9	0

#	ARTICLE	IF	CITATIONS
55	Editorial: Optoelectronic Properties of Two-Dimensional Systems. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	0